09/936429

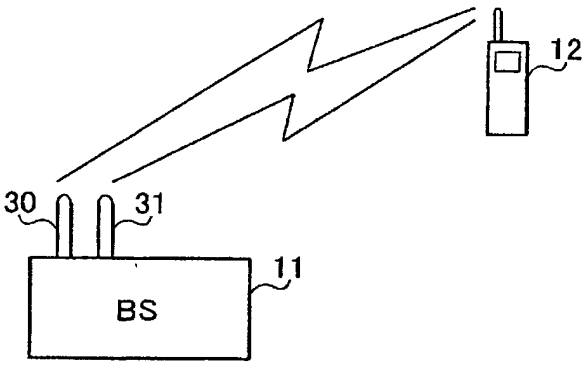

FIG.1

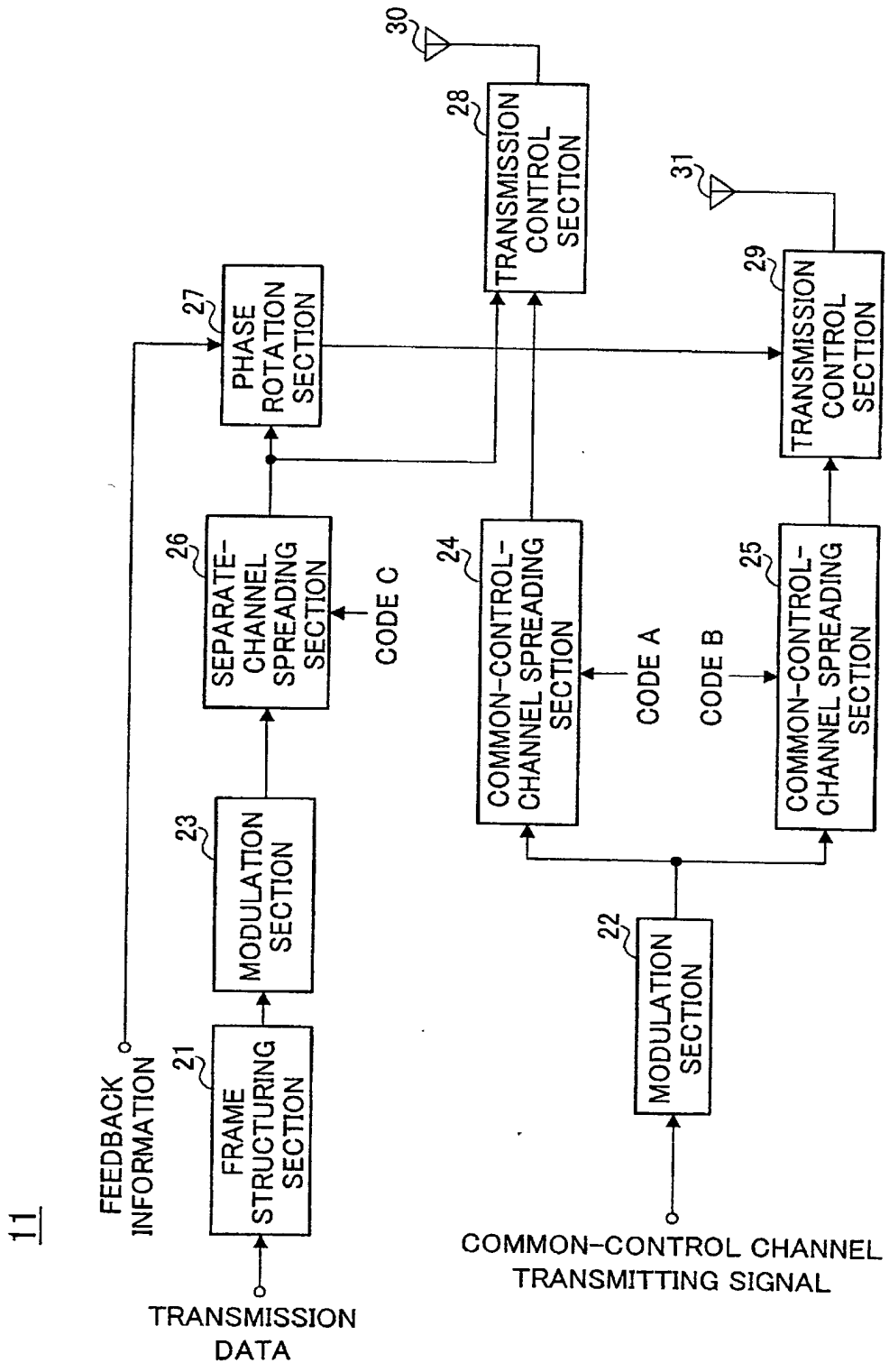
11
FEEDBACK INFORMATION
TRANSMISSION DATA
FRAME STRUCTURING SECTION
21
MODULATION SECTION
23
SEPARATE-CHANNEL SPREADING SECTION
26
CODE C
PHASE ROTATION SECTION
27
TRANSMISSION CONTROL SECTION
28
30
MODULATION SECTION
22
COMMON-CONTROL CHANNEL TRANSMITTING SIGNAL
COMMON-CONTROL-CHANNEL SPREADING SECTION
24
CODE A
CODE B
COMMON-CONTROL-CHANNEL SPREADING SECTION
25
TRANSMISSION CONTROL SECTION
29
31

FIG.2

09936429 .031303

09/936429

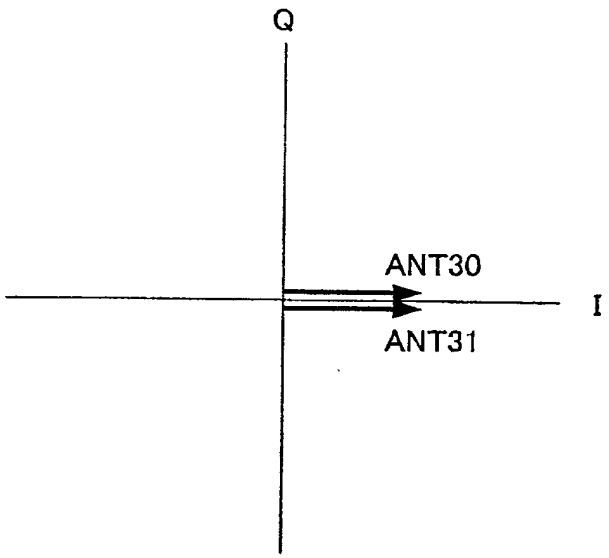

FIG.3 A

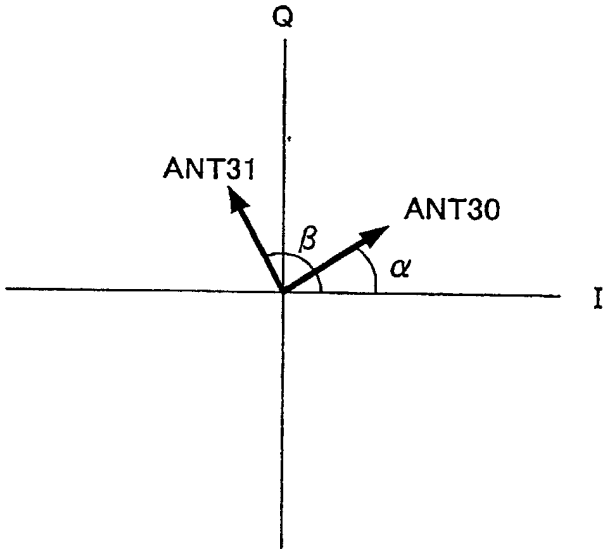

FIG.3 B

PCT/JP00/01626

09/936429

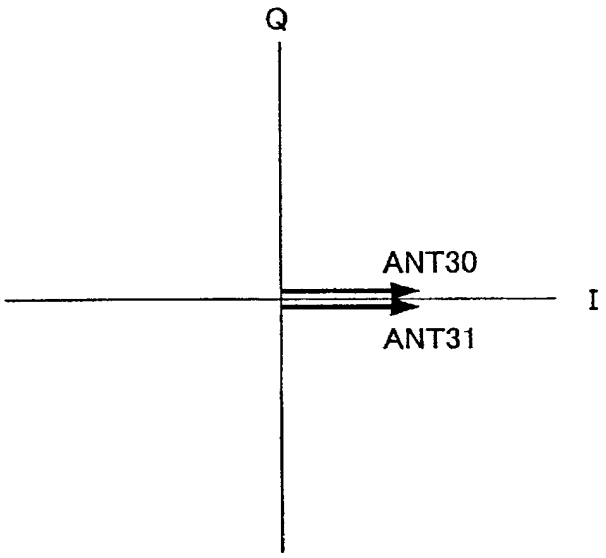

FIG.4 A

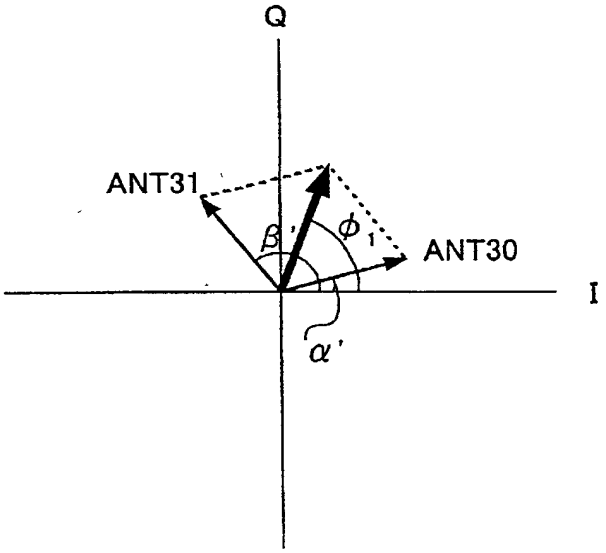

FIG.4 B

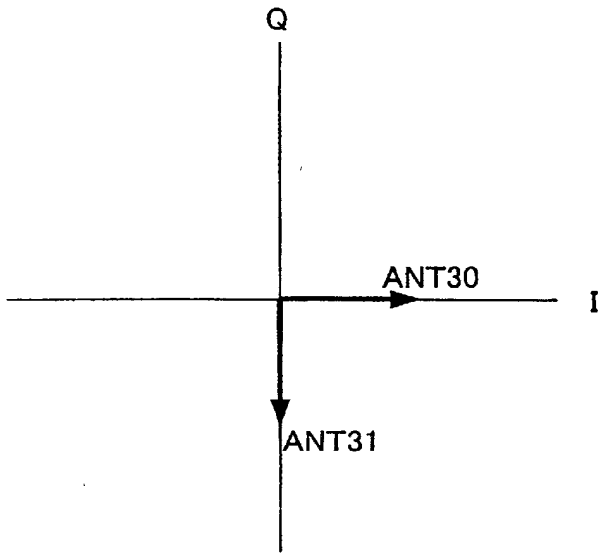

FIG.5 A

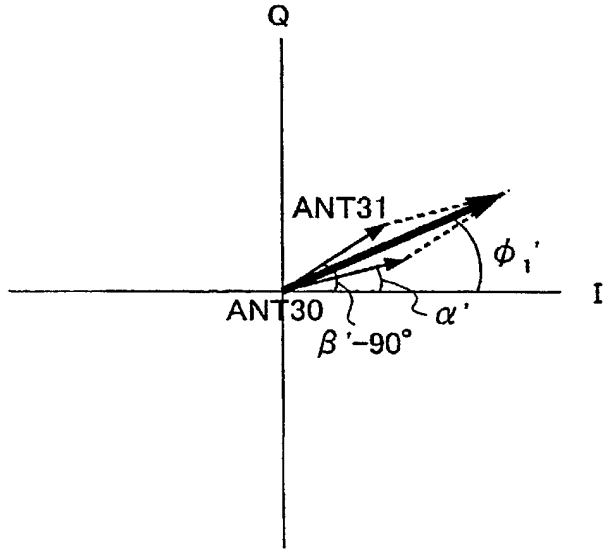

FIG.5 B

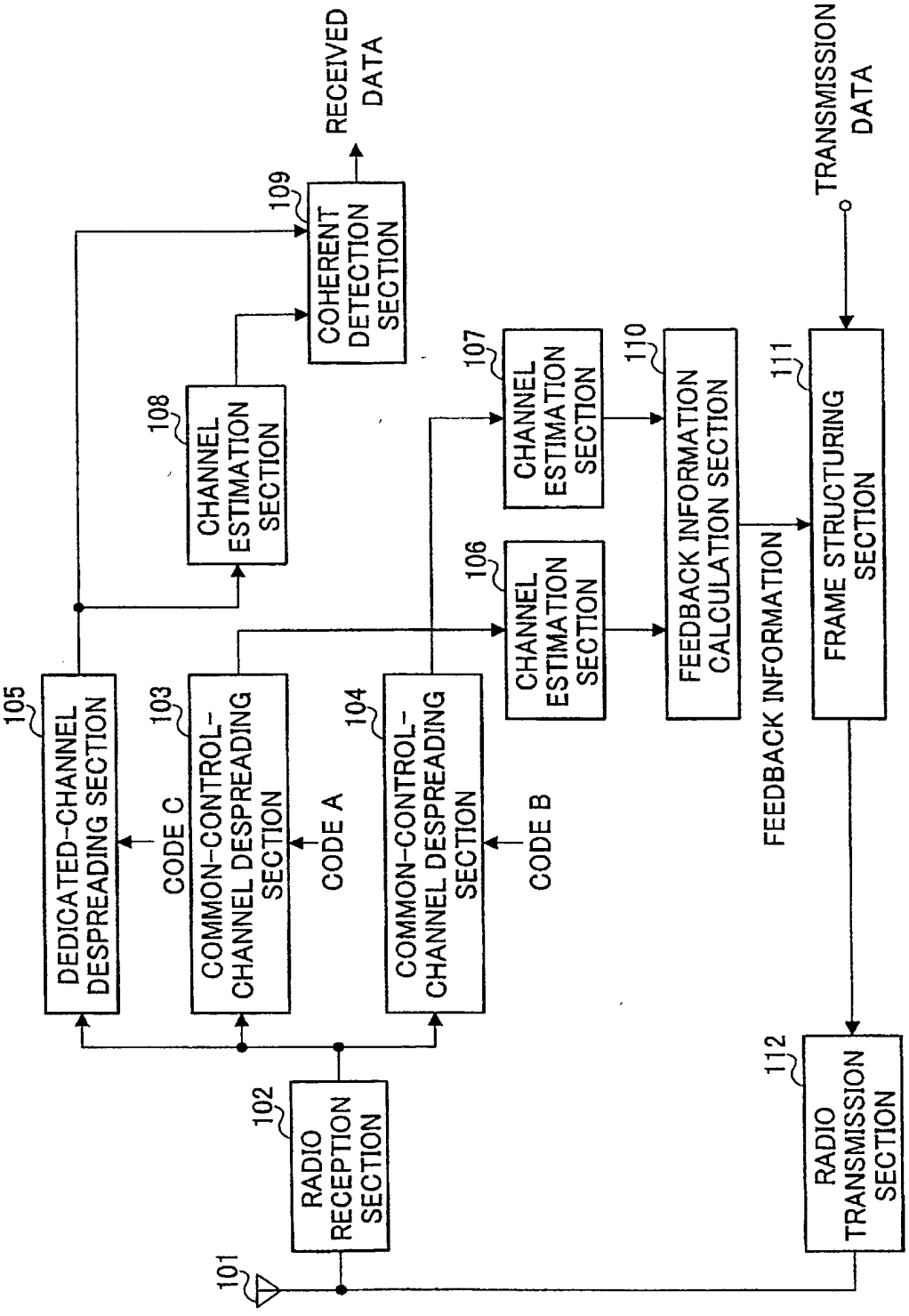
RECEIVED DATA
TRANSMISSION DATA
COHERENT DETECTION SECTION
CHANNEL ESTIMATION SECTION
CHANNEL ESTIMATION SECTION
CHANNEL ESTIMATION SECTION
FEEDBACK INFORMATION CALCULATION SECTION
FRAME STRUCTURING SECTION
DEDICATED-CHANNEL DESPREADING SECTION
COMMON-CONTROL-CHANNEL DESPREADING SECTION
COMMON-CONTROL-CHANNEL DESPREADING SECTION
CODE C
CODE A
CODE B
FEEDBACK INFORMATION
RADIO RECEPTION SECTION
RADIO TRANSMISSION SECTION
101
102
103
104
105
106
107
108
109
110
111
112

FIG.6

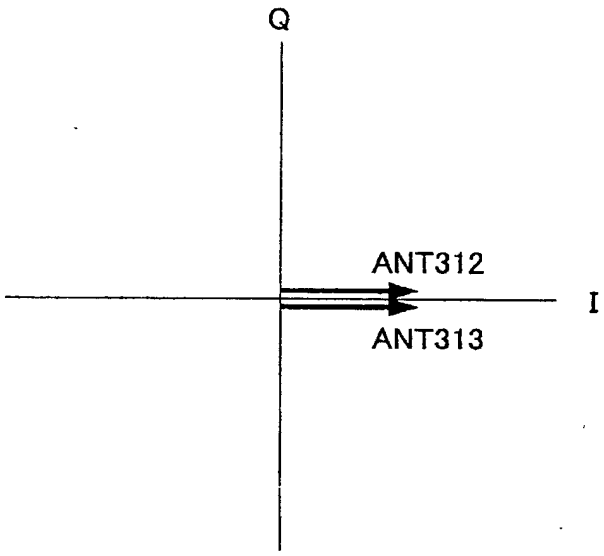

FIG.7 A

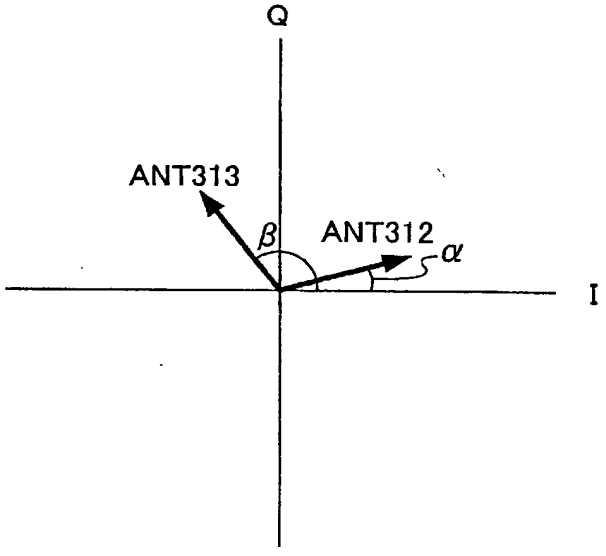

FIG.7 B

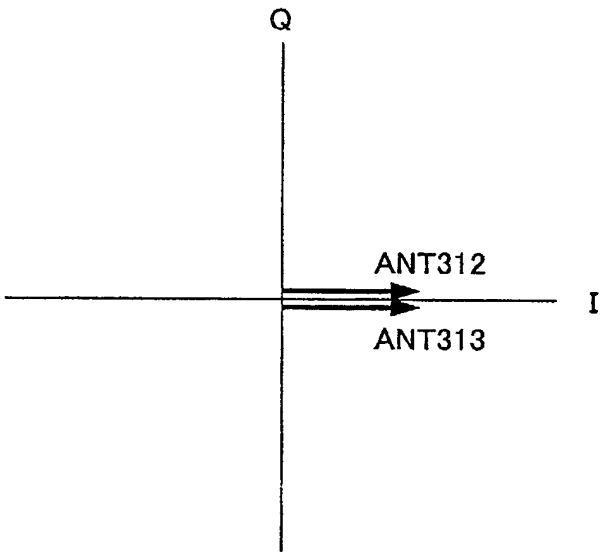

FIG.8 A

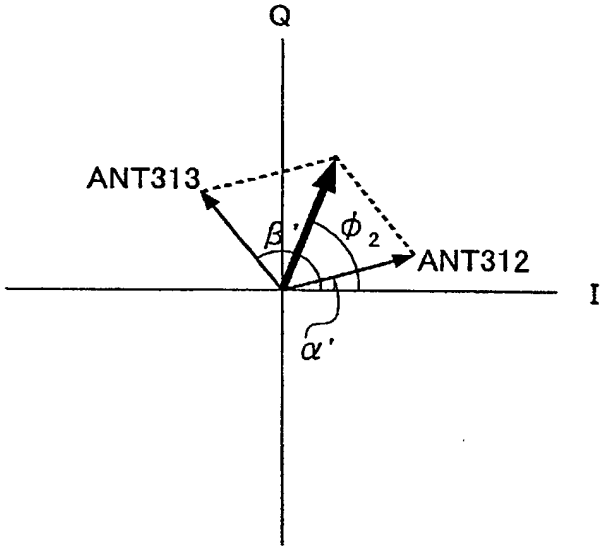

FIG.8 B

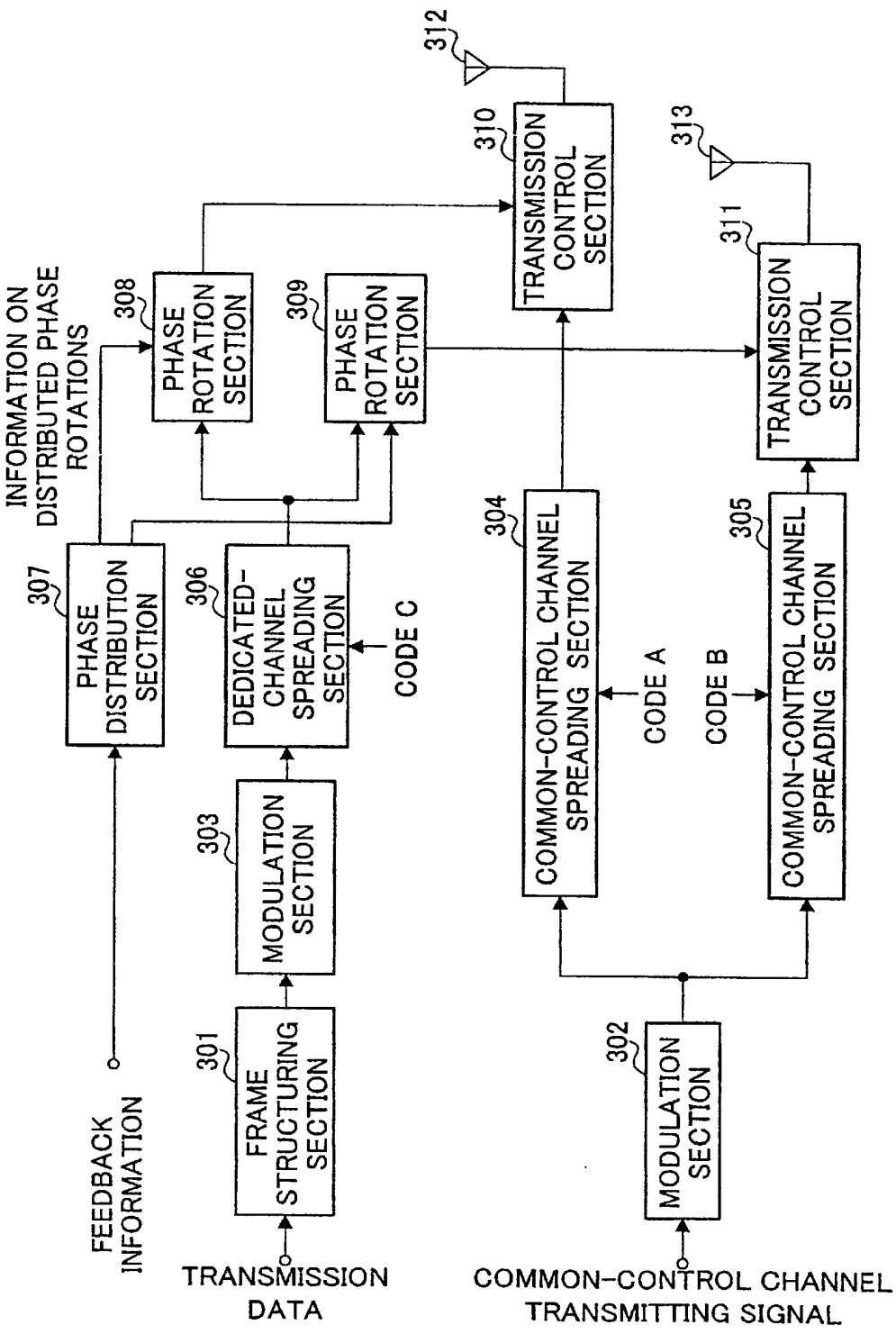
312
313
310
311
TRANSMISSION CONTROL SECTION
TRANSMISSION CONTROL SECTION
INFORMATION ON DISTRIBUTED PHASE ROTATIONS
308
PHASE ROTATION SECTION
309
PHASE ROTATION SECTION
307
PHASE DISTRIBUTION SECTION
306
DEDICATED-CHANNEL SPREADING SECTION
CODE C
304
COMMON-CONTROL CHANNEL SPREADING SECTION
CODE A
CODE B
305
COMMON-CONTROL CHANNEL SPREADING SECTION
303
MODULATION SECTION
301
FRAME STRUCTURING SECTION
302
MODULATION SECTION
FEEDBACK INFORMATION
TRANSMISSION DATA
COMMON-CONTROL CHANNEL TRANSMITTING SIGNAL

FIG.9

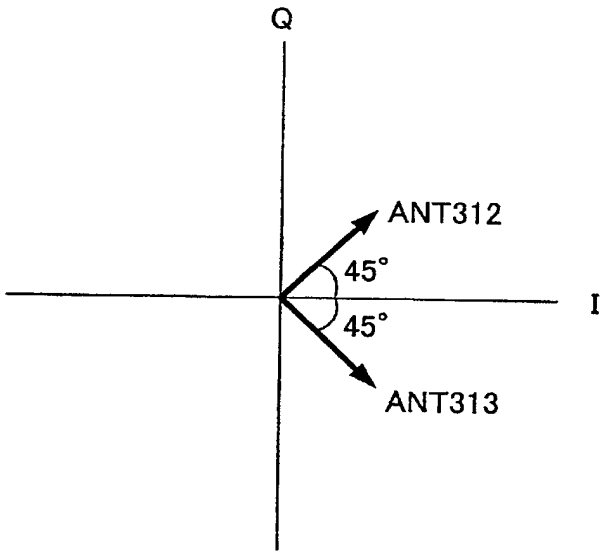

FIG.10 A

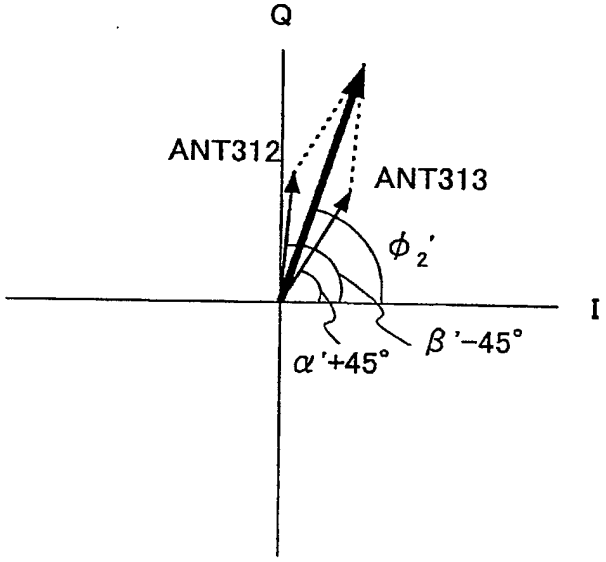

FIG.10 B

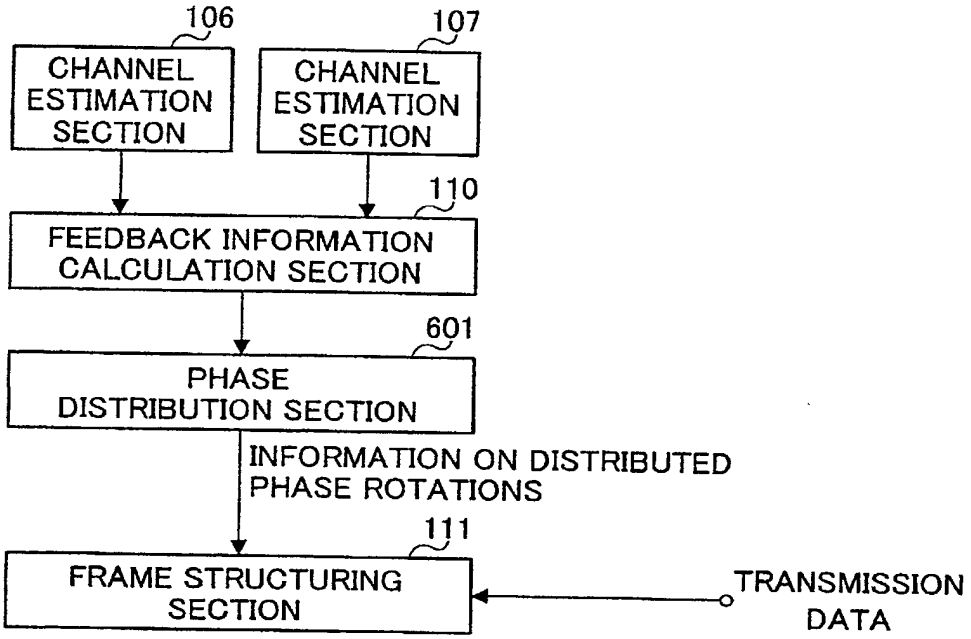
106
CHANNEL ESTIMATION SECTION
107
CHANNEL ESTIMATION SECTION
110
FEEDBACK INFORMATION CALCULATION SECTION
601
PHASE DISTRIBUTION SECTION
INFORMATION ON DISTRIBUTED PHASE ROTATIONS
111
FRAME STRUCTURING SECTION
TRANSMISSION DATA

FIG.11

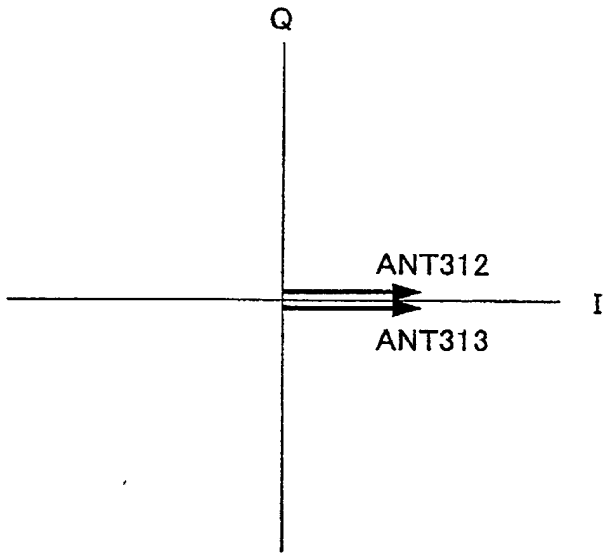

FIG.12 A

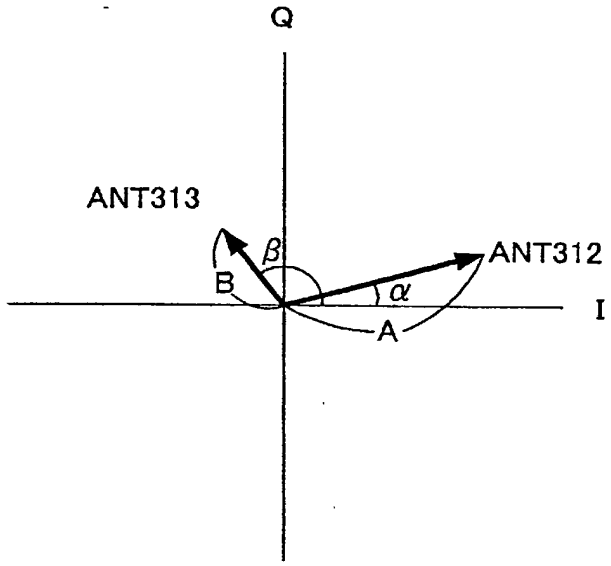

FIG.12 B

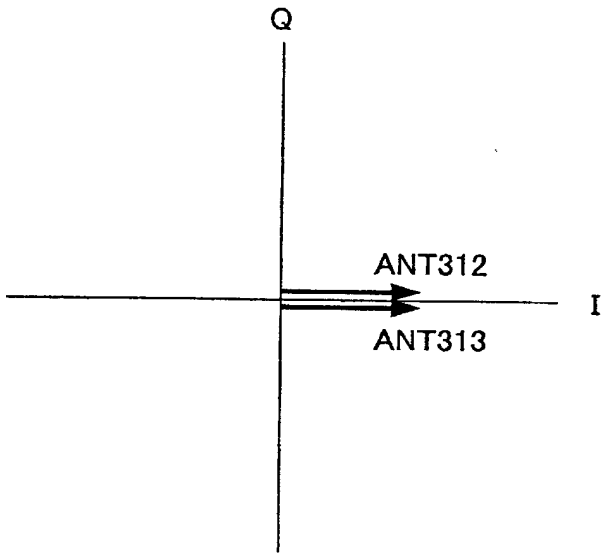

FIG.13 A

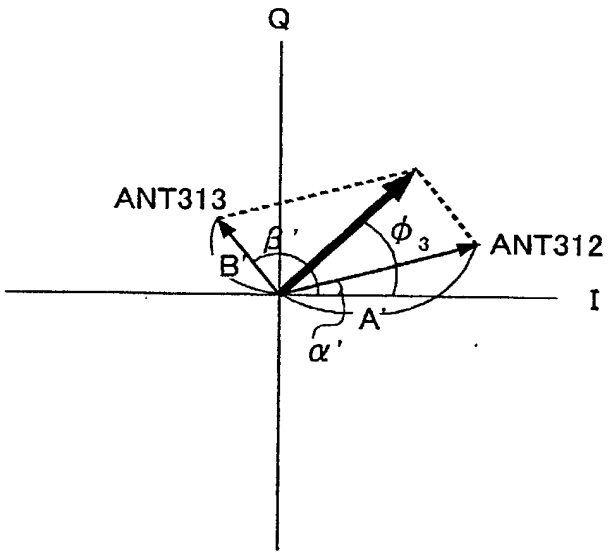

FIG.13 B

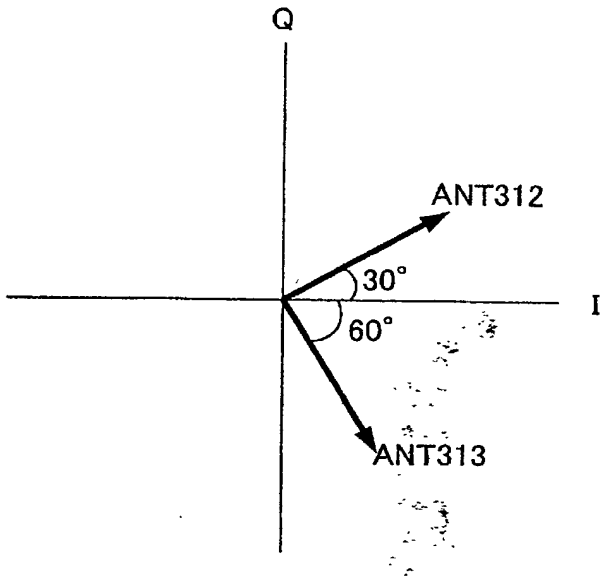

FIG.14 A

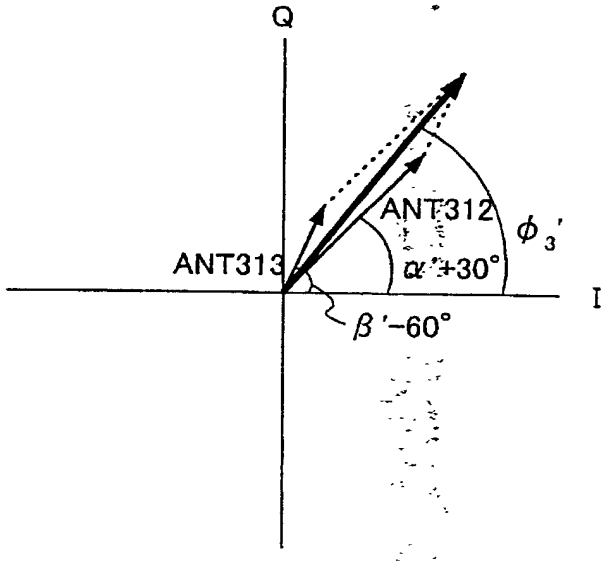

FIG.14 B